

552,228

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
21 October 2004 (21.10.2004)

PCT

(10) International Publication Number
WO 2004/091145 A2

(51) International Patent Classification⁷: **H04L 12/28,**
12/46

WISCHHUSEN, Olaf [DE/DE]; c/o Philips Intellectual
Property & Standards GmbH, Weissshausstr. 2, 52066
Aachen (DE).

(21) International Application Number:
PCT/IB2004/050379

(74) Agent: **MEYER, Michael**; Philips intellectual Property &
Standards GmbH, Weissshausstr. 2, 52066 Aachen (DE).

(22) International Filing Date: 1 April 2004 (01.04.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
03100957.4 9 April 2003 (09.04.2003) EP

(81) Designated States (*unless otherwise indicated, for every
kind of national protection available*): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

(71) Applicant (*for DE only*): **PHILIPS INTELLECTUAL
PROPERTY & STANDARDS GMBH** [DE/DE]; Stein-
damm 94, 20099 Hamburg (DE).

(84) Designated States (*unless otherwise indicated, for every
kind of regional protection available*): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),
Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), Euro-
pean (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR,
GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK,
TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW,
ML, MR, NE, SN, TD, TG).

(71) Applicant (*for all designated States except DE, US*):
KONINKLIJKE PHILIPS ELECTRONICS N.V.
[NL/NL]; Groenewoudseweg 1, NL-5621 BA Eindhoven
(NL).

(72) Inventors; and

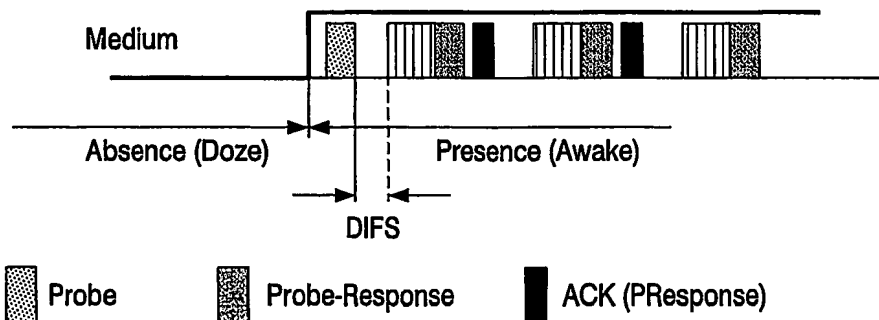
(75) Inventors/Applicants (*for US only*): **PEETZ, Jörg**
[DE/DE]; c/o Philips Intellectual Property & Standards
GmbH, Weissshausstr. 2, 52066 Aachen (DE). **EFE, Yusuf**
[TR/DE]; c/o Philips Intellectual Property & Standards
GmbH, Weissshausstr. 2, 52066 Aachen (DE). **HABETHA,**
Jörg [DE/DE]; c/o Philips Intellectual Property & Stan-
dards GmbH, Weissshausstr. 2, 52066 Aachen (DE). **MAY,**
Klaus, Peter [DE/DE]; c/o Philips Intellectual Property &
Standards GmbH, Weissshausstr. 2, 52066 Aachen (DE).

Published:

— without international search report and to be republished
upon receipt of that report

*For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.*

(54) Title: NETWORK WITH SUBNETS BEING CONNECTABLE VIA BRIDGE TERMINALS



(57) Abstract: The present invention relates to the connection of subnets which operate on different frequency channels and are connected by wireless forwarder stations. According to the present invention, a forwarding station periodically switches to the other frequency channel to remain there for a pre-defined presence duration, whereby jitters of the presence time caused by overlapping packet transmissions are compensated. According to the present invention, a presence and absence time of the forwarder station in the respective subnet is indicated by using signals relating to a power saving mechanism.

WO 2004/091145 A2